

**55053, A NOVEL HUMAN EUKARYOTIC KINASE AND USES THEREFOR**

**Abstract of the Disclosure**

The invention provides isolated nucleic acids molecules, designated EPK-55053  
 5 nucleic acid molecules, which encode novel protein kinase polypeptides. The invention  
 also provides antisense nucleic acid molecules, recombinant expression vectors containing  
 EPK-55053 nucleic acid molecules, host cells into which the expression vectors have been  
 introduced, and nonhuman transgenic animals in which an EPK-55053 gene has been  
 introduced or disrupted. The invention still further provides isolated EPK-55053 proteins,  
 10 fusion proteins, antigenic peptides and anti-EPK-55053 antibodies. Diagnostic, screening,  
 and therapeutic methods utilizing compositions of the invention are also provided.